

# 7,14-Methano-2H,6H-dipyrido[1,2-a:1',2'-E][1,5]diazododecahydro-7a,14a,14a«beta»)-

Other names: Sparteine, 17-oxo-

Oxosparteine

[7R-(7«alpha»,7a«alpha»,14«alpha»,14a«beta»)]-

Oxysparteine

17-Oxosparteine

L-Oxysparteine

l-17-Oxosparteine

SPARTEINE, M(OXO-)

**Inchi:** InChI=1S/C15H24N2O/c18-15-12-9-11(13-5-2-4-8-17(13)15)10-16-7-3-1-6-14(12)16/h11

**InchiKey:** YQMWQSMYVPLYDI-DGAVXFQQSA-N

**Formula:** C15H24N2O

**SMILES:** O=C1C2CC(CN3CCCCC23)C2CCCCN12

**Mol. weight [g/mol]:** 248.36

**CAS:** 489-72-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.34		Crippen Method
logp	1.872		Crippen Method
mcvol	200.300	ml/mol	McGowan Method
rinpol	2067.00		NIST Webbook
rinpol	2075.00		NIST Webbook
rinpol	2070.00		NIST Webbook
rinpol	2070.00		NIST Webbook
rinpol	2070.00		NIST Webbook
rinpol	2070.00		NIST Webbook
rinpol	2070.00		NIST Webbook
rinpol	2070.00		NIST Webbook
rinpol	2070.00		NIST Webbook
rinpol	2070.00		NIST Webbook
rinpol	2070.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**McGowan Method:**

<http://link.springer.com/article/10.1007/BF02311772>

**NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C489725&Units=SI>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>rinpol:</b>	Non-polar retention indices

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